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Dr. Michael Boeckh, MD is Professor in the Department of Medicine at the University of Washington in Seattle and Head of the Infectious Disease Science Program at the Fred Hutchinson Cancer Research Center. Dr. Boeckh heads a clinical research program focused on infectious diseases in immunocompromised patients. He conducts laboratory research, observational studies, as well as clinical trials of all phases.

Dr. Boeckh's major areas of interest are cytomegalovirus (CMV), HHV-6, respiratory viruses, and the genetic basis of infectious diseases. Most of these projects are bench-to-clinic translational research. Dr. Boeckh's lab is focused on pathogen-specific immune reconstitution. One major area of research is CMV, including the immune reconstitution after transplantation, transmission of CMV, and disease management in the immunocompromised patient population. Recently, he also initiated studies to determine the role of CMV and HHV-6 reactivation in the outcome of immunocompetent patients with sepsis and acute lung injury.

Another active area of research is in respiratory viruses. Studies in immunocompromised patients are focused on the association of respiratory viruses and airflow obstruction, the adaptive immune response to respiratory viruses, viral dissemination and gene expression signatures as biomarkers for disease severity, and management strategies. Recently, he has initiated studies to examine viral dynamics in immunocompetent patients.